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STATE DOCUMENTS

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OPERATIONS
PLAN



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STATE
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STATE DOCUMENTS

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STATE OF MONTANA
OFFICE OF THE DIRECTOR OF CIVIL DEFENSE
HELENA, MONTANA



June 16, 1970

TO ALL CONCERNED:

Enclosed you will find a change to the Civil Defense Warning System Fan-Out Locations and numbers dated May 1, 1970.

Please substitute this change to the Warning Annex of the Montana State Emergency Operations Plan dated September 12, 1969.

Sincerely yours,


Philip L. Kincheloe
Deputy Director

encl



MONTANA

CIVIL DEFENSE

OPERATIONAL PLAN

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STATE CIVIL DEFENSE OPERATIONAL PLAN

DISTRIBUTION LIST

OCD Region Eight	10
State Emergency Operating Center:	
Governor	2
Welfare	2
Police	2
Fire	2
Engineer	2
Construction & Housing	2
Economic Stabilization	2
Electric Power & Gas	2
Food	2
Health	2
Industrial Production	2
Manpower	2
Petroleum & Solid Fuels	2
Telecommunications	2
Transportation	2
Water	2
State Defense Board	2
State Area Command (Military)	2
Public Information	2
Operations	4
Intelligence	2
Communications	2
Civil Defense District Coordinators:	
District 1	2
District 2	2
District 3	2
District 4	2
District 5	2
District 6	2
County Director of Civil Defense	56
Continuing Education Department, MSU	4
Cooperative Extension Service, MSU	4
State Planner	2
State Civil Defense File	120
Office of Emergency Planning, Region Eight	4
State Library	20
Adjutant General's Office	2
Military Support	<u>20</u>
	300



PURPOSE AND USE OF PLAN

This Montana Operational Survival plan supersedes or rescinds the 1965 Montana Operational Survival Plan

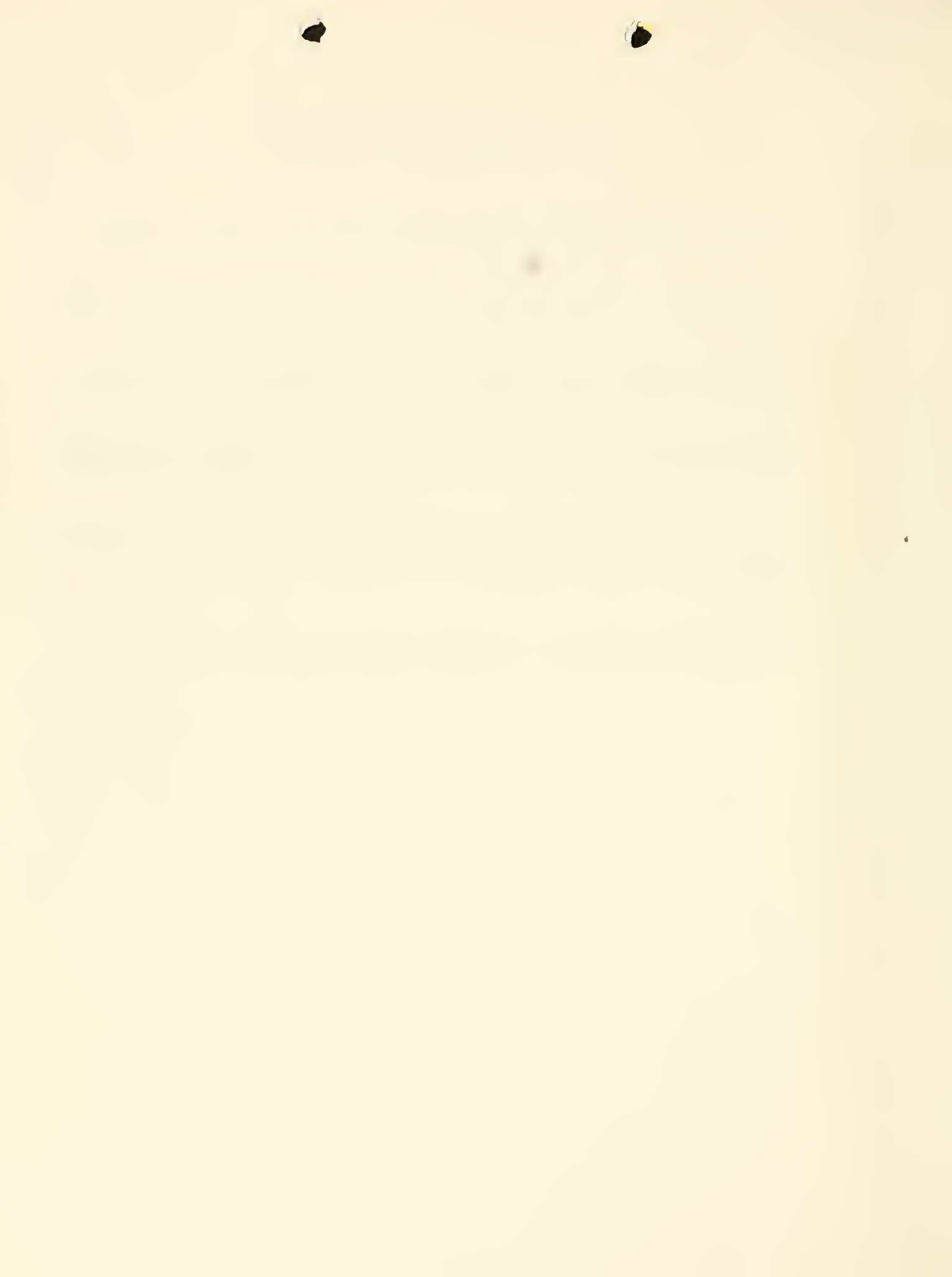
It is intended to guide and assist each local jurisdiction in the development of their own survival plan.

Wherever possible and practicable, the plan has been incorporated into existing government at all levels, since Civil Defense is a responsibility of government and a function inherent in public employment.

The Montana Operational Survival Plan was developed to aid in the development of operational capability within the state to save the maximum number of lives and the greatest amount of property should a disaster of any type occur.

The plan clearly delineates the responsibility and authority of all agencies and persons involved. It spells out how to make the plan completely and instantaneously operational upon the declaration or existence of any emergency.

This has been accomplished to the greatest extent possible under existing State Statutes and laws at the same time respecting and protecting the autonomy of county and city government jurisdictions.



AUTHORITY

The authority for the preparation and implementation of this operational plan is contained in Chapter 13, Title 77, Revised Codes of Montana, 1947.



BASIC PLAN

I. Mission:

The mission of the Montana Civil Defense agency is to provide for the maximum protection to life and property and to prevent, minimize, repair and recover from injury and damage caused by a nuclear or natural disaster.

II. Organization:

A. The Director of the State Civil Defense Agency as appointed by the Governor is the Adjutant General. His operational staff includes the following:

1. A Deputy Director for Civil Defense who operates in a coordinating role over the activities of the following operational sections:

- a. Operations Section
- b. Communications Section
- c. Engineer Section
- d. Fire Section
- e. Health Section
- f. Intelligence Section
- g. Legal Section
- h. Police Section
- i. Public Information Section
- j. Radiological Section
- k. Warning Section
- l. Welfare Section

2. A Deputy Director for the State Office of Emergency Planning (OEP) who operates as a coordinator between the Civil Defense operational sections and the following Resource Management Task Groups:

- a. Construction & Housing
- b. Economic Stabilization
- c. Electric Power & Gas
- d. Food
- e. Health
- f. Industrial Production
- g. Manpower
- h. Petroleum & Solid Fuels
- i. Public Information
- j. Telecommunications
- k. Transportation
- l. Water



3. A Military Support Plans Officer who coordinates the effort of instate military forces (active and reserves) in support of Civil Defense.
4. The Emergency Operating Center Standing Operating Procedure (EOC - SOP) which is an integral part of this plan contains a personnel list of the current names, addresses, and phone numbers of the members of the Operational Sections, Task Groups, Military Support Section and other individuals who would be present in the Emergency Operating Center (EOC) and make up the State Civil Defense Organization.
5. The Operational Sections and Task Groups are composed of a wide assortment of state and federal government agencies and business and industrial firms from within the State of Montana. The annexes attached to this plan show in detail the staffing of each section. The Office of Emergency Planning has published a Montana Plan for the Emergency Management of Resources showing the staffing of the Task Groups.
6. See Appendix I to Basic Plan for organizational Chart.

III. Operations:

A. Planning basis:

1. Accomplishment of the Civil Defense mission can only be realized by pursuing a program which will provide the state with an operational civil defense organization. To become operational, Civil Defense organizations at State and local levels must be capable of providing the following:
 - a. Adequately stocked fallout shelters for the public.
 - b. Emergency Operating Centers (EOCs) for the maintenance of local governmental control and direction of post-attack activities.
 - c. A warning system capable of providing the public with a timely warning of anticipated attack.
 - d. A working system for the management of existing resources.
 - e. Contingency planning for emergency operations.
 - f. An effective pre-attack public training program oriented towards the protection of life and property in an emergency.

B. The Director of the State Civil Defense Organization will develop plans and direct the activities of the organization in accordance with the following guidelines. The actual operation of the organization in the Emergency Operating Center (EOC) is outlined in the Emergency Operating Center Standing Operating Procedures (EOC-SOP).

1. Pre-attack -- Increased Readiness Period:

The Director will take all actions necessary for maximum readiness to include the following:

- a. Assemble organization for briefing and situation analysis.
- b. Activate State Emergency Operating Center and District Emergency Operating Centers.
- c. Check and improve communication capability with Districts and Districts to Counties.
- d. Increase fallout shelter preparations.
- e. Disseminate situation reports and increase training and public information program to further prepare the public.

2. Attack Period:

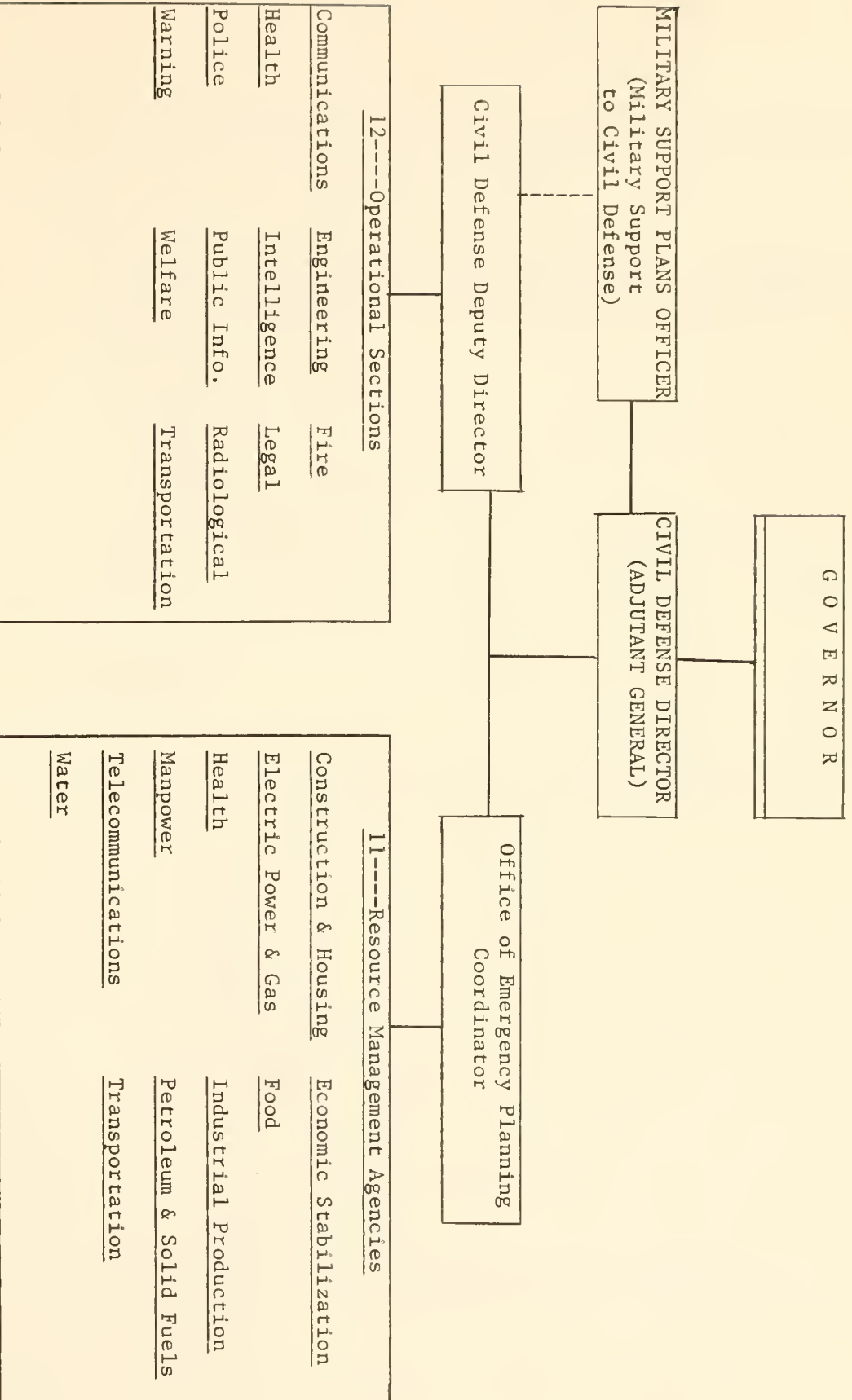
- a. Disseminate the attack warning to each District and county where it will be issued to the public in accordance with county warning plans.
- b. Upon attack or upon the Governor's declaration of an emergency, this plan becomes fully operational. Attack activities will be conducted in accordance with the directives set forth in the plan and the annexes attached to it.

3. Post-attack -- Recovery Period

- a. As soon as conditions permit recovery operations will be started on a most immediate need basis.
- b. The State Civil Defense organization with the Governor at its head will remain the operational arm of state government until such time as conditions are normalized.



MONTANA CIVIL DEFENSE ORGANIZATIONAL CHART



Supervision

Appendix # 1

-----Coordination

Basic Plan



COMMUNICATIONS ANNEX

I. MISSION:

To provide communications facilities to meet the requirements of the Montana State Civil Defense Organization.

II. ORGANIZATION:

A. The State Civil Defense Communications Center is located in the State Emergency Operating Center (EOC) in the subbasement of the Montana National Guard Armory, 1100 North Main Street, Helena, Montana.

B. The Organization consists of:

1. Communications Officer, Deputy Communications Officer, Assistant Communications Officer.
2. RACES Officer, two (2) assistant RACES Officers.

For the RACES Communication Plan, see Appendix I to Communications Annex.

3. See EOC SOP Annex for personnel list.

III. OPERATIONS:

A. Communication requirements and the method of meeting them are: (for frequencies and operators, see EOC SOP Annex)

1. State to Region:

- a. NACOM I
- b. NACOM II
- c. NAWAS
- d. RACES
- e. TELEPHONE
- f. NATIONAL GUARD NET

2. State to Capitol Complex:

- a. Regular telephone.

3. State to Civil Defense Districts:

- a. RACES Net
- b. Direct Line Telephone from EOC Switchboard.
- c. Regular State telecommunications system (Centrex).
- d. NAWAS

4. District to Counties:
 - a. RACES Net
 - b. Regular Telephone
 - c. Regular State Telecommunications system in
 - (1) Missoula
 - (2) Billings
 - (3) Miles City
 - (4) Great Falls
5. State to Malmstrom Air Force Base SAGE Center:
 - a. Direct Line telephone from State EOC
6. State EOC Internal Communications Facilities are:
 - a. Extension phones
 - b. Public Address Systems
 - c. EOC Intercom System
7. State to Montana National Guard Headquarters:
 - a. Two-way radio - Helena to Bozeman, Kalispell, Billings and Great Falls.
 - b. Mobile in Adjutant General's car.



JUN 4 1971

STATE OF MONTANA

ENGINEERING ANNEX

I. MISSION

To provide essential engineering services, road maintenance and repair, damage assessment and traffic control in support of State and Local Governments and the private sector.

II. ORGANIZATION

A. The Director of the Engineering Section is the State Highway Engineer. He is supported by the following staff (see Emergency Operating Center (EOC) Standing Operating Procedures (SOP) for personnel list):

1. Staff Assistant for Engineering Services.

This is the Assistant State Highway Engineer for Engineering.

2. Staff Assistant for Operations.

This is the Assistant State Highway Engineer for Operations.

3. Staff Assistant for Road Construction and Repair.

This is the Assistant State Engineer for Maintenance.

B. The Bureau of Public Roads representative is also assigned to this section for Emergency Highway Traffic Regulation Support and federal liaison.

C. The Director, his three Staff Assistants and the Bureau of Public Roads Representative, operate on a twenty-four hour basis from the State EOC in the basement of the National Guard Armory.



- D. The normal staff of the State Highway Department operates under the State Highway Emergency Operations Plan and supports the Engineering Section. They locate in the shelter area in the State Highway Department Building. This group includes Assistant State Highway Engineers in the following specialized areas: Administration, Planning Survey, Traffic, Materials Hydraulics, Right-of-Way, Safety, Bridges and Communications.
- E. The Engineering Section is also supported by the State Highway Districts and Divisions. The Highway Department is organized on the basis of 5 Districts. Each District is further divided into divisions with the exception of District 3 which has 2 Divisions. The 5 District Engineers work from the District or County Emergency Operating Centers (EOC's) located in the following cities:

Districts

- | | |
|---------------|----------------------------------|
| 1. Missoula * | 4. Glendive (reports to Sidney*) |
| 2. Butte | 5. Great Falls * |
| 3. Billings * | |

Divisions

- | | |
|-----------------|---------------|
| 1. Kalispell | 4. Wolf Creek |
| 2. Bozeman | 5. Havre |
| 3. Miles City * | 6. Lewistown |

* Denotes Civil Defense District EOC's

Note: An Engineer will be assigned from the State Highway Department Staff to Civil Defense District #2 in Helena.

III. OPERATIONS

- A. The Director of the Engineering Section supervises operations in accordance with the EOC SOP.



B. The following are the emergency functions for which the Section is responsible:

1. Director;

- a. Supervision and control of the emergency functions of this Section.
- b. Coordination of district, division, county and city engineering activities.
- c. Coordination of the Highway Department EOC operations as they are effected by State EOC activities.
- d. Provide the Operations Specialist (s) assigned to engineering projects with pertinent information in accordance with the EOC SOP Appendix 3 to Annex A.

2. Staff Assistant for Engineering Services:

- a. Provide technical advice for acquiring heavy equipment, skilled labor and materials for the rapid accomplishment of construction and repair requirements. Requirements are anticipated to include construction support in the areas of improvised community fallout shelter, fire lanes, rescue work, debris clearance, facility restoration, stream diversion and decontamination activities.
- b. Coordinate with and request support from the engineers and other specialists listed in Appendix 3 (Resources) to Annex A of the EOC SOP. Particularly those persons responsible for the following areas of Resource



Management (See EOC SOP for personnel list):

Construction and Housing

Electric Power and Gas

Petroleum and Solid Fuels

Telecommunication

Transportation

3. Staff Assistant for Operations:

- a. Make situation estimates and plan for the best utilization of remaining engineering resources.
- b. Regulate the amount, type and routing of traffic when a disaster has hindered the normal flow of traffic. Coordinate with the Bureau of Public Roads Representative when the Emergency Highway Traffic Regulation Plan is in effect.
- c. Assure timely processing of maps and photos required by the EOC.

4. Staff Assistant for Road Construction and Repair:

- a. Provide Damage Assessment Reports concerning road nets, essential building, utility lines, dams, railroads, airports and other structures requiring engineering knowledge.
- b. Repair and maintain road nets, including bridges, and construct new roads where needed to circumvent damaged or contaminated areas.



FIRE ANNEX

I. Mission:

To provide for the prevention, detection and suppression of fire in the rural, grazing and timberlands or in urban communities within Montana in the event of a nuclear or natural disaster.

II. Organization:

- A. The Director of the State Fire Section is the State Forester. His operational staff includes the following:
1. An assistant director for forest fire who is a member of the State Forester's Staff.
 2. An assistant director in charge of urban fire who is the State Fire Marshall.
 3. Six (6) additional staff assistants who are members of the Rural Fire Defense Operating Group and represent the various federal, state and independent agencies involved in fire control within the State.
 4. The Director, the two (2) Assistant Directors and the six (6) staff assistants or their alternates compose the operational staff of the Fire Section and the capability to operate on a twenty-four (24) hour basis from the State Emergency Operating Center (EOC). (See EOC Standing Operating Procedures (SOP) for personnel list)

III. Operations:

- A. The director of the Fire Section will develop plans and direct the activities of the section in accordance with the following guidelines. The actual operation of the section is outlined in the EOC Standing Operating Procedures (SOP).
- B. The following are the emergency functions for which the Fire Section is responsible:
1. Urban Communities

The Assistant Director in charge of Urban Fire will coordinate the capability to prevent, detect and suppress fires within the urban communities of Montana. Planning will be done on the basis of utilizing city and county urban fire fighting resources. Coordination and support, both in planning and operations, will be provided by the Director of the Fire Section and his Staff.



2. Rural, Grazing and Timberland

The Assistant Director in charge of Forest Fire will coordinate the capability to prevent, detect and suppress fires on all rural, grazing and timberland within Montana. Planning will be done on the basis of utilizing federal, state, county and private rural fire fighting resources. Coordination and support both in planning and operations will be provided by the Director of the Fire Section and his Staff.

C. The Montana Rural Fire Defense Plan

The Rural Fire Defense Plan has been written to develop a mutual understanding of fire control responsibility and to correlate the authority, functions and operations of the various state, private fire district and federal agencies, charged with the protection of Montana's rural, grazing and timberland. This plan is an integral part of the State Civil Defense Plan and can be found in the EOC Standing Operating Procedures (SOP).

D. Damage Assessment

The Fire Section has a responsibility to keep the State Civil Defense Director fully informed as to damage done to gross timber resources. Additionally, the Section must have the capability to assess structural and other fire damage throughout the State.



HEALTH ANNEX

I. Mission:

To provide emergency health services to those people in need in the event of nuclear or natural disaster.

II. Organization:

A. 1. The Executive Officer of the State Board of Health is the Director of the Health Section. His operational staff includes the following:

- a. two assistant directors
- b. two staff assistants
- c. two secretary-clerk-typists
- d. one liaison representative from the American Red Cross

2. The Health Section is staffed to allow a twenty-four (24) hour a day operation. The Section has the capability of working two twelve-hour shifts each day. These seven (7) people constitute the chief members of the Health Section and as such they will operate from the State Emergency Operating Center (EOC).

3. The normal staff of the State Board of Health is also part of the Health Section. They will carry out emergency functions from a sheltered location in the State Laboratory Building if such action is deemed necessary by the Director.

B. District Coordinators

1. The State has been divided into six emergency health districts identical to the six Civil Defense Districts. Each of these districts has assigned a District Health Coordinator who is an integral part of the State Health Section. District Health Coordinators will be located at the Emergency Operating Centers (EOC) in the following cities:

- | | |
|-------------|----------------|
| a. Missoula | d. Miles City |
| b. Helena | e. Sidney |
| c. Billings | f. Great Falls |

2. The District Health Coordinators have specialized functions due to the critical nature of health requirements in an emergency. They will coordinate the requests of the several counties in their districts for State support.

3. The District Health Coordinators serve in a dual capacity in that they have additional responsibilities for the management and allocation of health resources under Annex V to the Montana Plan for Emergency Management of Resources published by the Office of Emergency Planning (OEP).

III. Operations:

A. State Health Section

The Director of the Health Section will direct the activities of the Health Section in accordance with the following guidelines - the actual operation of this section in the Emergency Operating Center (EOC) is outlined in the EOC Standing Operating Procedures (SOP).

B. The Health Section has the responsibility to develop the capability to perform five (5) primary functions:



1. Detection, Control and Prevention of Disease
 - a. This includes those diseases not necessarily caused by disaster such as tuberculosis and heart disease. However, it is anticipated that diseases arising from crowded and unsanitary conditions will be of main concern.
 - b. Planning must emphasize those diseases peculiar to chemical biological and radiological warfare.
2. Environmental Sanitation
 - a. This includes all phases of general sanitation with special concern envisioned in food and water pollution. Pollution would be caused by emergency living conditions, overcrowding and sabotage.
3. Care of Sick and Injured
 - a. This includes adult, child and specialized medical and dental care for the victims of disaster. Special consideration should be given to those illnesses, injuries and emotional disturbances which would occur as a result of chemical, biological and radiological warfare.
4. Assistance to Health Facilities
 - a. This includes supporting and coordinating the requests of public and private hospitals and clinics.
5. Graves Registration and Burial
 - a. This includes identification of the dead, the registration and collecting of vital statistics. The arranging of burials to include mass burials.
 - b. The State Welfare Section maintains a registration and inquiry service and therefore, coordination between the two sections concerning vital statistics is required.



INTELLIGENCE ANNEX

I. Mission:

To conduct an Intelligence Service for the State Civil Defense Agency, and to advise that agency of vital international, national and local situations; particularly to collect, process, and disseminate information from all parts of the State that will be the basis of operational decisions on courses of action effecting the survival of people, the protection of property, the use of State resources, and the early return to normal activities.

II. Organization:

- A. The Director of the Intelligence Section's operational staff includes the following:
 - 1. Two assistant Intelligence Officers.
 - 2. A map plotter.
 - 3. An intelligence recorder.
- B. The Intelligence Section is staffed to allow a twenty-four (24) hour a day operation. (See EOC - SOP for personnel list.)

III. Operations:

- A. The Director of the Intelligence Section will direct the activities of the Section and be responsible for the following duties.
 - 1. Direct the effort to provide useable intelligence.



OPERATIONS ANNEX

I. Mission:

To provide operations control of the assigned EOC Staff and to coordinate and disseminate emergency actions developed by the staff.

II. Organization:

A. The Director of the Operations Section is the Operations Officer of the State Civil Defense Agency. The operational staff includes the following:

1. Assistant Operations Officer
2. Three message control officers
3. An operations clerk
4. Two messengers

III. Operations:

A. State Operations Section

The State Operations Officer will direct the activities of the State Emergency Operations Center in accordance with the following guidelines. For detailed operation of this section see EOC SOP.

1. Normal Readiness
 - a. Assign, train and equip personnel needed to carry out the responsibilities outlined in each operating annex.
 - b. Review staffing and equipment requirements for each operating annex.
 - c. Prepare and coordinate all training programs.
 - d. Conduct Civil Defense exercises.
 - e. Prepare and publish operations plans.
 - f. Review and update plans for all annexes.
 - g. Keep operational records and prepare all necessary reports.
 - h. Provide assistance and guidance to District and County Civil Defense organizations in reference to operational needs.
2. Increased Readiness

In the event of a period of increased international tension, the following actions will be taken:

 - a. Alert State EOC staff and District Coordinators.
 - b. Man EOC at minimal level.



- c. Check operability of all communications systems.
- d. Check operability of NAWAS system.
- e. Initiate accelerated training program.
- f. Review, update, and utilize prepositioned emergency public information tapes.
- g. Inspect EOC supplies (administrative, food, water, medical, etc.).
- h. Inform Governor of actions being taken.
- i. Encourage the accelerated marking and stocking of public fallout shelters.

3. Attack

At such time as warning is received, the following actions will be taken;

- a. Warn public through all communications media.
- b. Man EOC at 100 percent level.
- c. Establish net control of all communications systems.
- d. Brief annex chiefs and establish working shifts.
- e. Establish physical security at EOC building.
- f. Maintain liaison with six district Civil Defense headquarters.

4. Post Attack

To continue emergency operations until normal activities can be resumed.



POLICE ANNEX

I. MISSION

To provide for the protection of life and property through the maintenance of order and enforcement of law in the event of a nuclear or natural disaster.

II. ORGANIZATION

- A. The Supervisor of Montana Highway Patrol is the Director of the State Police Section. His operational staff includes the following:
 1. Four staff assistants appointed by the Director
- B. The Director, the four (4) staff assistants operate on a twenty-four (24) hour basis at the State Emergency Operating Center (EOC). (See EOC - SOP for personnel list).
- C. In an emergency the entire uniformed police resources within the State are available to the Director of the Police Section as part of the State Civil Defense Organization.
 1. The Montana Highway Patrol, organized on a division concept, is the agency through which the coordination of the police resources within the state will be accomplished.
 2. The County Police Section should include in its organization the County Sheriff, representatives from city police forces.
 3. The County Police Section must work in close cooperation with the State Police Section through Civil Defense District channels.
 4. Merchant police and other independent agencies must be a part of county plans and operations.
 5. County Police Sections must give special consideration to planning for the survival of police manpower in the event of nuclear attack.
 6. The entire uniformed body of the State Fish & Game Department would initially come under the jurisdiction of the Montana Highway Patrol for use in law enforcement. This authority to be granted under the executive powers of the Governor.
 7. Available state, county and city resources are outlined in Appendix I of this Plan.

III. OPERATIONS.

- A. The Director of the Police Section will develop plans and direct the activities of the Section in accordance with the following guidelines. The actual operations of the Section is outlined in the EOC Standing Operating Procedures (SOP).
 - 1. Public Fallout Shelter Control
 - a. The police section at all levels will plan for and develop the capability within the state and other political subdivisions to insure that local police forces can control the movement of the people to shelter.
 - b. Local police forces have the additional responsibility to provide for the maintenance of law and order within public shelters.
 - 2. Maintenance of law and order.
 - a. The Police Section will develop the capability to continue the normal police function of maintaining law and order during an emergency.
 - b. For planning purposes emphasis should be given to problems involved in the prevention of looting, riots, sabotages and mass hysteria.
 - 3. Highway and Urban Traffic.
 - a. This function is to be carried out in support of the Engineer Section which has the responsibility for highway traffic control (See Engineer Annex).
 - b. Urban traffic control and the sealing off of contaminated areas is the responsibility of the Police section.
 - 4. Radiological Defense.
 - a. The Police Section shall develop and implement plans to provide a radiological monitoring capability for the protection of all Montana Highway Patrol emergency activities.
 - b. The Police Section at all levels of Government shall be responsible for the development of plans to assign all police personnel and their dependents to shelter.

5. Warning & Communications.
 - a. The Police Section is responsible for developing plans for utilizing the law enforcement radio net as a back-up means of disseminating warning throughout the State.
 - b. The law enforcement radio net will be used as a back-up means for reporting radiological fallout information and other emergency operational traffic from county EOC's to the Civil Defense District EOC's.
6. The State Highway Patrol is organized in five divisions and ten districts (See Appendix II to this plan).



PUBLIC INFORMATION EMERGENCY ANNEX

I. Mission:

To provide news and information prior to, during and after emergency periods to the State populace. To prepare and disseminate to all media, news bulletins to inform the public, both generally, and in specific areas of actions being taken by national regional, state, and local agencies to bring about survival and recovery operations. The Public Information Officer will act on behalf of the Director and Deputy Director of Civil Defense in Montana.

II. A. The PI Section is located in the State Emergency Operating Center (EOC) in the sub-basement of the Montana National Guard Armory, 1100 North Main, Helena, Montana.

B. During an Emergency the Organization will consist of:

1. The PI Officer
2. Personnel who may be assigned by KCAP (EBS station for Helena), and other media personnel (with their concurrence) such as UPI and AP, for emergency duty with the State EOC.
3. Public Information people from all State offices.

Montana Aeronautics Commission
Fish & Game Department
Mountain States Telephone Company
Radio Station KCAP
Montana Highway Commission

4. See EOC Standing Operating Procedures (SOP) for personnel list.

III. Operations:

A. The PIO will issue appropriate identification to such personnel assigned emergency information responsibilities.

B. The PI Section will disseminate warning of fallout and survival information to the public as it pertains to:

- (1) Individual and family survival.
- (2) Home, School, office and other shelter areas.
- (3) Prepare news bulletins to be released to the media of general conditions affecting the state and nation.
- (4) Increased readiness messages.



- C. Maintain close coordination with all media before, during and after emergency periods.
- D. In cooperation with local EBS Station develop a programming procedure and establish priorities in the following order:
 - 1. Federal messages
 - 2. County
 - 3. State
 - 4. Region
- E. As the call letters of the EBS station are unauthorized to be used; establish an area identification for the station.
i.e. Helena, Lewis & Clark County
- F. As an increased readiness measure; develop and categorize crisis messages for instant dissemination to the public.
- G. All general guidance and comforting messages need not be cleared with the Director of Civil Defense at each government level.

IV. Training:

- A. Training Films can be obtained through the Army Audio-Visual Communications Center at the Sixth U. S. Army Central Audio-Visual Communications Center, Presidio of San Francisco, San Francisco, California. "Civil Defense Motion Picture Catalog", MP-6 contains a current list of motion pictures of the office of Civil Defense.
- B. Constant need for publicizing of available Civil Defense Training courses.
- C. Development and proper utilization of Radio & TV public service time.
- D. Develop a healthy attitude towards Civil Defense with all news media.



RADIOLOGICAL ANNEX

I. MISSION:

To protect people from and minimize the effects of radiation caused by a nuclear weapon.

II. ORGANIZATION:

A. A State Radiological Defense (RADEF) Officer appointed by the Director of State Civil Defense. His operational staff includes the following: (See EOC Annex for personnel list)

1. RADEF Officer (1)
2. Assistant RADEF Officer (3)
3. Plotters (9)
4. Analysts (6)

B. The following State agencies will establish fixed and mobile radiological monitoring stations. They will develop a reporting capability in accordance with Appendix 2 of this Annex:

1. Office of Civil Defense

- a. This office will coordinate the State Primary Reporting Stations. This will consist of 358 fixed monitoring stations. (See Appendix I for list of stations.)

2. Highway Patrol

- a. This office will maintain mobile radiological stations which will supplement the State Primary Stations. This will consist of Highway Patrolmen in the State.

3. State Aeronautics Commission

- a. This office will maintain an aerial monitoring capability through the use of State and privately owned aircraft. (See Appendix III)

4. Highway Department

- a. This office will maintain fixed and mobile monitoring stations, using highway maintenance employees in the field.

5. Department of Fish and Game

- a. This office will maintain fixed and mobile monitoring stations, using Fish and Game employees in the field.

6. State Forester

- a. This office will maintain fixed and mobile monitoring stations, using State Forestry employees in the field.

7. (See Appendix I, this annex, for a list of State Monitoring Stations and the requirements for establishing County monitoring stations.)



- C. 1. Each County will organize a radiological defense organization.
2. Each County will establish fixed and mobile monitoring stations and develop reporting procedures consistent with the State plan.
3. Each County will coordinate their radiological monitoring and reporting efforts with the State and Federal Stations located within the County.

III. OPERATIONS:

A. State RADEF Section

The State RADEF Officer will direct the activities of the RADEF section in accordance with the following guidelines. The actual operation of this section in the EOC is outlined in the EOC Annex.

1. Normal Readiness:

- a. Assign, train and equip personnel needed to carry out the responsibilities outlined in this Annex and the operational duties listed in the EOC Annex.
- b. Provide continued guidance to the County governments to aid them in the establishment of:
 - (1) A Monitoring Capability
 - (2) A Reporting Network
 - (3) A RADEF Operational Capability in the County EOC

2. Increased Readiness and Attack:

At such time as warning is received the following actions should be taken:

- a. All levels of government will man their emergency operating center (EOC) with available RADEF personnel.
- b. All fixed monitoring stations shall be activated and all mobile and aerial monitoring crews made ready.
- c. Monitoring and reporting of fallout radiation and the reporting of Nuclear Detonations (NUDETS) will be conducted in accordance with Appendix 2, this Annex.
- d. Each EOC RADEF staff will receive and evaluate reports from monitors within their County and they will report to the State EOC as directed in Appendix 2, this Annex.

3. Post-Attack:

In a short time after the attack, ranging from two days to two weeks, the radiation hazards in most of the State will have decayed sufficiently to permit certain recovery actions. EOC RADEF staffs at all levels of government shall then provide monitoring and guidance.



B. Communications:

1. The State Highway Department shall maintain the Civil Defense Radiological reporting net which gathers RADEF and NUDET reports and forwards the information to the State EOC. See Appendix 2, this Annex.
2. All State Agencies possessing monitoring capability are responsible for providing communications from their monitoring station to the nearest County EOC.
3. Counties are responsible for providing adequate communication facilities in order to insure that monitored data can be reported from monitoring stations in the County to the County EOC.
4. Counties will develop adequate communications facilities between the County EOC and the Highway Maintenance RADEF collecting point for their area, or between the County EOC and the District EOC.

C. Maintenance and Calibration:

1. The Montana Civil Defense Agency, will maintain a RADEF instrument repair shop for the repair of all radiological equipment within the State.
2. In addition to this the Director of Civil Defense will provide two trained technicians on a full-time basis for the purpose of maintaining, transporting and replacing defective instruments.
3. The Deputy Director of Civil Defense, will be responsible for the operation of a RADEF instrument calibration facility for the calibration of all instruments within the State.
4. The combined maintenance and calibration shop will be located in the basement of the State Armory Building, Helena, Montana.
5. State Agencies and County governments who have been issued instruments are accountable for periodic operator maintenance and inspection.
6. All Agencies and local governments will keep up-to-date records on the location and condition of the instruments issued to them by type and model number.
7. Radiological kits of all types in the hands of Local, State and Federal agencies will be periodically inspected, exchanged and calibrated. In accordance with Federal Contract OCD-PS-65-167.



APPENDIX # 1

RADIOLOGICAL MONITORING STATIONS

A. STATE AND COUNTY STATIONS

1. The state Civil Defense Office has designated the location of three hundred and fifty-eight (358) fixed monitoring stations. Fifty-six (56) of these are located in the fifty-six County EOC's, while the remaining stations are located to supplement the coverage of population concentration areas.
2. A copy of the State Primary Monitoring Stations is a part of this Annex.
3. The State Primary Reporting Net is so planned as to provide all the fallout monitor data needed on a scheduled basis by the State Government. This Reporting Net does not affect the County fallout monitoring requirements. The Counties and Cities have need for more detailed fallout data concerning the immediate area than does the State. Therefore, each County must develop monitoring stations and reporting procedures which will meet their own needs. The stations in the State Primary Monitoring Net and Federal stations within the County may be used by the County to supplement its own monitoring capability.
4. The County is responsible for establishing and maintaining all of the stations except Federal within its boundaries. Stations in the State net should receive priority.
5. All fixed stations must include the following:
 - (a) Located in a facility with a Protection Factor (PF) of 100 or more, except where required to provide geographic coverage and there is a long range plan for shelter development.
 - (b) Have at least two and preferably four trained monitors assigned.
 - (c) Equipped with instruments.
 - (d) Have communications with the County EOC.
6. Geographic coverage is a prime consideration in determining the number of fixed monitoring stations required.
7. Shelter Monitoring stations will be established at all public shelters.
8. A monitoring station in each EOC is mandatory.

B. IDENTIFYING STATIONS

1. The three-letter designator system of identifying monitoring stations will no longer be used.
2. When any fixed or mobile monitoring station forwards a report, the station will be identified by the reporting area number followed by the station number of the station at which the reading was taken. Refer Appendix 2.



3. All District and County EOC's and Highway Maintenance reporting net operators will adhere to this method of identifying monitoring stations when forwarding reports to higher headquarters. (See Appendix 2, this Annex).

C. The following is a complete list of the locations of the State Primary fixed monitoring stations. Stations are grouped together with the Radiological Collecting Point for their area.

DISTRICT 1 - Missoula

Flathead County - Kalispell

<u>Reporting Area No.</u>	<u>Location</u>	<u>Station No.</u>
24	Olney	2
"	Whitefish	3
25	Columbia Falls	4
"	West Glacier	1
"	Hungry Horse	5
"	Essex	6
61	Kalispell	8
"	Creston	7
"	Somers	11
"	Lakeside	12
"	Bigfork	13
62	Marion	9
"	Kila	10

Lincoln County - Libby

20	Eureka	1
"	Rexford	2
"	Fortine	7
"	Stryker	8
21	Yaak	3
22	Libby	5
"	Troy	4
23	Warland	6

Sanders County - Thompson Falls

64	Trout Creek	3
"	Heron	2
"	Noxon	1
65	Thompson Falls	4
"	Plains	6
"	Paradise	7
66	Perma	8
"	Hot Springs	5
"	Dixon	9



Lake County - Polson

<u>Reporting Area No.</u>	<u>Location</u>	<u>Station No.</u>
67	Polson	5
"	Swan Lake	1
"	Rollins	2
"	Dayton	3
"	Elmo	4
106	Ronan	7
"	Pablo	6
"	Charlo	8
"	St. Ignatius	9
"	Ravalli	10
"	Arlee	11

Missoula County - Missoula

105	Seeley Lake	1
109	Frenchtown	2
110	Missoula	3
"	Bonner	4
"	Lolo	7
111	Potomac	5
"	Clinton	6

Mineral County - Superior

107	Superior	3
"	Saltese	1
"	De Borgia	2
108	Tarkio	4
"	Alberton	5

Ravalli County - Hamilton

150	Victor	3
"	Florence	1
"	Stevensville	2
"	Corvallis	4
151	Hamilton	5
"	Darby	6

Granite County - Philipsburg

148	Drummond	1
"	Hall	2
149	Philipsburg	4
"	Maxville	3



Powell County - Deer Lodge

<u>Reporting Area No.</u>	<u>Location</u>	<u>Station No.</u>
112	Helmville	2
"	Ovando	1
147	Deer Lodge	8
"	Elliston	3
"	Avon	4
"	Goldcreek	5
"	Pioneer	6
"	Garrison	7

DISTRICT 2 - Helena

Meagher - White Sulphur Springs

143	White Sulphur Springs	3
144	Ringling	4
"	Martinsdale	1
"	Lenep	2

Broadwater - Townsend

145	Winston	1
155	Townsend	2
"	Toston	4
"	Radersburg	3

Lewis & Clark - Helena

102	Augusta	1
113	Lincoln	4
114	Wolf Creek	3
"	Craig	2
146	Helena	7
"	Marysville	5
"	Austin	6
"	East Helena	8
"	Canyon Ferry	9

Jefferson - Boulder

154	Boulder	5
"	Clancy	1
"	Jefferson City	2
"	Wickes	3
"	Basin	4
"	Whitehall	6
"	Cardwell	7



Silver Bow County - Butte

<u>Reporting Area No.</u>	<u>Location</u>	<u>Station No.</u>
188	Butte	2
"	Walkerville	1
"	Divide	3
"	Melrose	4

Deer Lodge County - Anaconda

153	Anaconda	2
"	Warm Springs	1

Beaverhead County - Dillon

189	Wise River	1
190	Wisdom	2
192	Jackson	3
193	Dillon	5
"	Glen	4
209	Grant	6
210	Lima	8
"	Dell	7
211	Monida	9

Madison County - Virginia City

185	Norris	10
"	Harrison	1
"	Pony	2
187	Twin Bridges	5
"	Waterloo	3
"	Silver Star	4
"	Sheridan	6
194	Virginia City	8
"	Alder	7
"	Ennis	9

Gallatin County - Bozeman

156	Maudlow	1
"	Trident	2
184	Bozeman	9
"	Three Forks	3
"	Willow Creek	4
"	Logan	5
"	Manhattan	6
"	Amsterdam	7
"	Belgrade	8
"	Gallatin Gateway	10
206	West Yellowstone	11



DISTRICT 3 - Billings

Musselshell County - Roundup

<u>Reporting Area No.</u>	<u>Location</u>	<u>Station No.</u>
122	Musselshell	2
"	Melstone	1
138	Roundup	3

Golden Valley County - Ryegate

140	Ryegate	2
"	Lavina	1

Wheatland County - Harlowton

141	Shawmut	5
"	Hedgesville	4
"	Judith Gap	1
142	Harlowton	3
"	Twodot	2

Park County - Livingston

151	Wilsall	1
"	Clyde Park	2
181	Livingston	4
"	Springdale	3
182	Emigrant	5
196	Gardiner	6
"	Cooke City	7

Sweet Grass County - Big Timber

180	Big Timber	1
"	Greycliff	2

Big Horn County - Hardin

161	Hardin	1
172	Busby	3
173	Crow Agency	2
"	St. Xavier	4
175	Pryor	5
200	Lodge Grass	6
"	Wyola	7

Stillwater County - Columbus

159	Rapelje	1
177	Columbus	4
"	Molt	2
"	Park City	3
"	Reedpoint	5



Stillwater County - Columbus (Continued)

<u>Reporting Area No.</u>	<u>Location</u>	<u>Station No.</u>
178	Nye	8
"	Absarokee	6
"	Fishtail	7

Yellowstone County - Billings

136	Custer	1
137	Worden	3
"	Pompeys Pillar	2
"	Huntley	4
160	Broadview	7
"	E. Billings	5
174	W. Billings	6
"	Laurel	8

Carbon County - Red Lodge

176	Boyd	4
"	Silesia	1
"	Edgar	2
"	Joliet	3
"	Fromberg	5
"	Roberts	6
"	Roscoe	7
197	Red Lodge	11
"	Bearcreek	10
198	Belfry	9
"	Bridger	8

DISTRICT 4 - Miles City

Wibaux County - Wibaux

86	Wibaux	1
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Dawson County - Glendive

84	Bloomfield	2
"	Richey	1
87	Glendive	5
"	Hodges	6
"	Intake	3
88	Lindsay	4
"	Marsh	7

Prairie - Terry

128	Terry	2
"	Fallon	1
"	Mildred	3



Fallon County - Baker

<u>Reporting Area No.</u>	<u>Location</u>	<u>Station No.</u>
129	Baker	1
"	Plevna	2

Custer County - Miles City

127	Kinsey	2
131	Ismay	1
132	Miles City	3

Rosebud County - Forsyth

123	Sumatra	5
124	Ingomar	4
133	Rosebud	2
"	Hathaway	1
134	Forsyth	3
163	Colstrip	6
171	Birney	9
"	Lame Deer	7
"	Ashland	8

Treasure County - Hysham

135	Hysham	2
"	Sanders	1

Powder River County - Broadus

169	Broadus	1
203	Biddle	2

Carter County - Ekalaka

166	Ekalaka	1
205	Alzada	2

DISTRICT 5 - Sidney

Sheridan County - Plentywood

1	Plentywood	5
"	Westby	1
"	Raymond	2
2	Redstone	4
"	Outlook	3
40	Reserve	7
"	Antelope	6
"	Dagmar	8
"	Medicine Lake	9
"	Homestead	10



Daniels County - Scobey

<u>Reporting Area No.</u>	<u>Location</u>	<u>Station No.</u>
3	Scobey	3
"	Whitetail	1
"	Flaxville	2
4	Peerless	5
"	Four Buttes	4

Roosevelt County - Wolf Point

37	Wolf Point	7
38	Poplar	6
39	Brockton	5
41	McCabe	2
"	Froid	1
"	Bainville	3
"	Culbertson	4

Valley County - Glasgow

5	Opheim	3
"	Richland	1
"	Glentana	2
35	Hinsdale	4
"	Tampico	5
46	Glasgow	6
"	Nashua	7
"	Frazer	8
"	Oswego	9
"	Fort Peck	10

Phillips County - Malta

7	Whitewater	2
8	Loring	1
33	Malta	4
"	Wagner	5
"	Dodson	6
34	Saco	3
50	Landusky	8
"	Zortman	7

Petroleum County - Winnett

94	Cat Creek	1
95	Winnett	2

Garfield County - Jordan

80	Jordan	2
81	Van Norman	1
91	Cohagen	4
92	Sand Springs	3



McCone County - Circle

<u>Reporting Area No.</u>	<u>Location</u>	<u>Station No.</u>
44	Vida	1
83	Circle	2
"	Brockway	3

Richland County - Sidney

85	Sidney	2
"	Fairview	1
"	Lambert	3
"	Crane	4
"	Savage	5

DISTRICT 6 - Great Falls

Blaine County - Chinook

9	Hogeland	2
"	Turner	1
31	Chinook	4
"	Lohman	3
"	Zurich	5
32	Harlem	6
51	Hays	8
"	Lodge Pole	7

Hill County - Havre

29	Rudyard	5
"	Inverness	6
"	Gildford	3
"	Hingham	4
30	Havre	1
"	Kremlin	2
"	Box Elder	7
"	Rocky Boy	8

Liberty County - Chester

28	Chester	2
"	Joplin	1
"	Lothair	3

Toole County - Shelby

15	Kevin	5
"	Sweetgrass	1
"	Sunburst	2
"	Ferdig	3
"	Oilmont	4
27	Shelby	7

Wolcott County - Davis

Section No.	Location	Section Area Ac.
1	Vada	42
2	Stacy	42
3	Wendover	42

Wolcott County - Stines

1	Stacy	42
2	Palmyra	"
3	Lambert	"
4	Truman	"
5	Thayer	"

Wolcott County - Stines

Wolcott County - Stines

1	Wendover	42
2	Truman	42
3	Palmyra	42
4	Stacy	42
5	Wendover	42
6	Truman	42
7	Palmyra	42
8	Stacy	42
9	Wendover	42
10	Truman	42
11	Palmyra	42
12	Stacy	42

Wolcott County - Stines

1	Wendover	42
2	Truman	42
3	Palmyra	42
4	Stacy	42
5	Wendover	42
6	Truman	42
7	Palmyra	42
8	Stacy	42
9	Wendover	42
10	Truman	42
11	Palmyra	42
12	Stacy	42

Wolcott County - Stines

1	Wendover	42
2	Truman	42
3	Palmyra	42
4	Stacy	42

Wolcott County - Stines

1	Wendover	42
2	Truman	42
3	Palmyra	42
4	Stacy	42
5	Wendover	42
6	Truman	42
7	Palmyra	42
8	Stacy	42

Toole County - Shelby (Continued)

<u>Reporting Area No.</u>	<u>Location</u>	<u>Station No.</u>
27	Ethridge	6
"	Devon	8
"	Galata	9

Glacier County - Cut Bank

16	Cut Bank	1
"	Santa Rita	2
17	Blackfoot	3
18	Babb	4
26	Browning	5
"	East Glacier Park	6

Pondera County - Conrad

57	Conrad	4
"	Brady	5
58	Valier	1
"	Dupuyer	3
59	Heart Butte	2

Teton County - Choteau

70	Choteau	3
"	Pendroy	1
"	Bynum	2
71	Dutton	5
"	Collins	4
"	Power	6
"	Fairfield	7

Chouteau County - Fort Benton

54	Big Sandy	1
"	Virgelle	2
55	Loma	3
56	Floweree	6
72	Fort Benton	4
"	Carter	5
"	Highwood	7
73	Geraldine	8
"	Square Butte	9

Fergus County - Lewistown

74	Denton	5
"	Coffee Creek	4
75	Winifred	1
96	Roy	2
97	Lewistown	8
"	Hilger	3
"	Danvers	6



Fergus County - Lewistown (Continued)

<u>Reporting Area No.</u>	<u>Location</u>	<u>Station No.</u>
97	Hanover	7
119	Moore	11
"	Garneill	12
120	Forestgrove	10
"	Grass Range	9

Judith Basin County - Stanford

98	Stanford	4
"	Windham	5
"	Benchland	6
"	Moccasin	7
"	Hobson	8
"	Utica	9
99	Geyser	3
"	Arrow Creek	1
"	Raynesford	2
118	Buffalo	10

Cascade County - Great Falls

100	Great Falls	2
"	Black Eagle	1
"	Sand Coulee	9
"	Belt	10
101	Fort Shaw	5
"	Vaughn	3
"	Sun River	4
"	Simms	6
"	Ulm	7
115	Cascade	8
116	Monarch	11
"	Neihart	12

APPENDIX 2

REPORTING PROCEDURES FOR FIXED REPORTING STATIONS

PURPOSE

This appendix sets forth standard reporting procedures for fixed reporting stations. These procedures supersede the current procedures described in FG-E-5.9, Handbook for Radiological Monitors, paragraph 5.6, and similar procedures contained in FCDG Appendix E-5-5.

All of the following described reports will be evaluated by the County RADEF staff and forwarded through existing communication channels to the District C. D. as soon as possible after receipt of the information from the monitoring stations as prescribed in the District E.O.C. S.O.P.

STANDARD REPORTING REQUIREMENTS FOR ALL STATIONS

All reporting stations will automatically submit Fallout and Fire reports to the appropriate County control center in the formats described below.

Fallout

All stations will submit the following minimum schedule of fallout reports at the time of occurrence of the indicated dose rate readings;

- a. Initial and subsequent fallout arrival (0.5 R/hr).
- b. Initial and subsequent estimated peak dose rate readings (R/hr).
- c. The 50.0 R/hr level when the radiation intensity rises above this level.
- d. The 50.0, 5.0 and 0.5 R/hr levels when the radiation intensity decays below these levels.

All fallout reports include the appropriate station identification (assigned by the control center to which the station is responding), the radiation intensity at the time of the event, and the local time the event occurred. The station also indicates whether a rising or falling radiological condition exists wherever a fallout report of any kind is submitted. The station should make its best estimate of the occurrence times of the events referred to above, as well as peak readings.

Example message formats for voice reporting are given in Figure 1. Station and control center identifiers, as well as communications to be utilized, will be provided by the appropriate control center.

Fire

All stations will submit a Fire report whenever primary weapon-caused fires are observed in the immediate vicinity of the station. An example voice message format for this report is as follows:

"(CONTROL CENTER I.D.) THIS IS (STATION I.D.)...FIRE AT 10:35 A.M."

SPECIAL REPORTING REQUIREMENTS

Nudet Sightings

Selected stations will be designated by the appropriate control center to submit special reports on nuclear detonation (NUDET) sightings. Stations so designated will submit sightings on the light flash or resulting stem or cloud in terms of the sixteen points of the compass. An example voice message format for this report is as follows:

"(CONTROL CENTER I.D.) THIS IS (STATION I.D.). . .
NUDET NORTH-NORTHEAST AT 10:30 A.M."

Additional Fallout Data

The control center may specify that additional fallout information (such as periodic readings) be automatically reported by some or all stations in its area of responsibility. However, all fixed reporting stations will automatically report at least the minimum schedule of all fallout events referred to above.

Interrogation

The control center may interrogate any station on an as-needed basis for additional information on observable nuclear weapons effects. For example, stations may be called upon to report current dose rate readings at any time.

REPORTING STATION LOG

All stations should maintain a log in a format illustrated in Figure 2. This log should be a time-ordered record of (a) observations (fallout, NUDET sightings, and other nuclear effects observed, and (b) all communications, both received and transmitted. An entry should be made to record all observations, whether reported or not, as well as all communications received or transmitted. Additional notes on internal station operations should also be entered. The Reporting Station Log should be maintained continuously from the time the station is initially manned.

REPORT TYPE

EXAMPLE VOICE MESSAGE FORMAT

- | | |
|-----------------------|----------------------------------------------------------------------------------------------------|
| a. Initial Arrival | "(CONTROL CENTER I.D.) THIS IS
(STATION I.D.) ... FALLOUT POINT
5 AND RISING AT 11:25 A.M." |
| b. Above 50.0 R/hr | "(CONTROL CENTER I.D.) THIS IS
(STATION I.D.) ... FALLOUT 50 AND
RISING AT 11:25 A.M." |
| c. Initial Peak | "(CONTROL CENTER I.D.) THIS IS
(STATION I.D.) ... FALLOUT 185
AND FALLING AT 12:20 P.M." |
| d. Subsequent Arrival | "(CONTROL CENTER I.D.) THIS IS
(STATION I.D.) ... FALLOUT 75 AND
RISING AT 3:40 P.M." |
| e. Subsequent Peak | "(CONTROL CENTER I.D.) THIS IS
(STATION I.D.) ... FALLOUT 380
AND FALLING AT 5:10 P.M." |
| f. Below 50.5 R/hr | "(CONTROL CENTER I.D.) THIS IS
(STATION I.D.) ... FALLOUT 50 AND
FALLING AT 7:45 P.M." |
| g. Below 5.0 R/hr | "(CONTROL CENTER I.D.) THIS IS
(STATION I.D.) ... FALLOUT 5 AND
FALLING AT 8:50 P.M." |
| h. Below .5 R/hr | "(CONTROL CENTER I.D.) THIS IS
(STATION I.D.) ... FALLOUT POINT
5 AND FALLING AT 10:10 P.M." |

Figure 1. Example Reporting Station Fallout Reports

TIME	EVENT	TIME RECEIVED OR SENT
(Enter the local time the entry in the log is made)	(Describe the event being recorded e.g., a dose rate reading taken, a NUDET sighted, a report sent, a message received, or an internal station operational event such as a communications loss/restoration)	(Enter the local time received/sent for incoming/outgoing communications)

Figure 2. Reporting Station Log Format

APPENDIX III - AERIAL MONITORING

- I Purpose - This appendix sets forth procedures for Aerial Reporting Stations.
- II The Montana Aeronautics Commission will maintain an aerial monitoring capability through the use of State and privately owned aircraft. (See Attachment I for list of locations of Aerial Monitoring Stations).
- III All aerial monitoring stations are equipped with ground monitoring instruments as well as aerial monitoring instruments. Therefore, all aerial monitoring stations will submit Fallout and Fire reports observed prior to becoming airborne to the approximate County Control Center in the formats described in Appendix 2 - Radiological Annex - Reporting Procedures for Fixed Monitoring Stations.

While airborne, aerial monitoring procedures as described in FG-E-5.9.1 - "Handbook for Aerial Radiological Monitors" will be utilized.

IV Requests:

All requests for aerial monitoring will be forwarded through Civil Defense Districts to the State EOC for clearance through the Montana Aeronautics Commission in coordination with the Federal Aviation Authority and Military channels. Authorization for aerial monitoring mission must be received prior to take-off.

V Reports:

Radiological information and damage observed by aerial monitoring teams will be reported as per mission request by the fastest means available.

AERIAL RADIOLOGICAL MONITORS

NAME	ADDRESS	PHONE
<u>Search District #1</u>		
(Lincoln, Sanders, Mineral)		
Howard, Marilyn George Tuxill, L. Margaret	1004 Nevada, Libby Box 38, Rexford	293-5032 296-2305
<u>Search District #2</u>		
(Flathead, Lake)		
Archibald, John R. Whitney, Arthur	Box 1080, Kalispell Big Fork	756-2390 837-4408
<u>Search District #3</u>		
(Glacier, Toole, Liberty, Pondera)		
Johnson, Carl Proefrock, Leonard Sammons, Chet Sammons, Herb	Box 216, Cut Bank 233 2nd Ave SW, Cut Bank Box 701, Cut Bank Box 1334, Cut Bank	738-4082 938-5716 938-4090
<u>Search District #4</u>		
(Teton, Chouteau Cascade)		
Carnrike, David Martin Osborne, Glenn G. Smith, Thomas A.	341 Services Sq, Malmstrom AFB 1319 High St, Great Falls Rte 1, Ranburne, Alabama Malmstrom AFB, Great Falls	731-3706 452-6774 761-4997
<u>Search District #5</u>		
(Hill, Blaine)		
Matulka, Joe J. Obie. Edgar G. Sands, Gordon Vogel, Raymond	Chinook 1015 Ind. St., Chinook Box 1127, Havre Kremlin	357-4201 357-4050 265-4271 372-4181

NAME	ADDRESS	PHONE
<u>Search District #6</u>		
(Judith Basin, Fergus, Petroleum)		
NONE		
<u>Search District #7</u>		
(Phillips, Valley, Garfield)		
Cebulski, Russell Duane	Malta	654-1143
Johnson, Bud C.	Malta	658-3151
Johnston, William Edwin	Malta	654-2182
Martin, Gary John	Box 659, Malta	654-1582
Smith, Lowell	Malta	654-1439
Wiederrick, Daniel	Regina	673-4110
<u>Search District #8</u>		
(McCone, Richland, Dawson, Roosevelt, Daniels, Sheridan)		
Christensen, Wallace S.	Dagmar	483-2282
Grammo, J. Robert	1306 River, Glendive	365-3751
Haven, Henry T.	Route 2, Dagmar	485-2486
Hansen, Viggo Clifford	Hiland Pk Rd, W Glendive	365-2130
Kubesh, John E.	329 W Ames, Glendive	365-4747
Paulson, Gene M.	Outlook	895-3110
<u>Search District #9</u>		
(Treasure. Rosebud. Custer, Powder River, Cater, Fallon, Wibaux, Prairie)		
Higgins, Floyd	721 No Custer, Miles City	232-2565
Hobbs, Edwin Bruce	1411 Merriam. Miles City	232-1855
Hough, McCulla	Broadus	436-2576
Mincoff, Mike Pete	2316 Main, Miles City	232-3867
Pyle, Donald Loring	1019 So Strevell, Miles City	232-3349

NAME	ADDRESS	PHONE
Stoltz, Frank	2309 Leighton, Miles City	232-2132
Sullivan, Marshall F.	Broadus	436-2571
Tillitt, George	413 Main, Forsyth	356-2170
<u>Search District #10</u>		
(Wheatland, Golden Valley, Musselshell, Sweet Grass, Stillwater, Yellowstone, Big Horn, Carbon)		
Lynch, John Francis	2958 Rockrim, Billings	252-0508
<u>Search District #11</u> (Meagher, Gallatin, Park)		
Bleiler, Graham L.	108 N Western Dr, Bozeman	586-6143
Bowman, Charles C.	406 N 20th, Bozeman	586-2071
Carlton, George H.	Bear Canyon, Bozeman	587-3015
Ecton, Patricia	RR 1, Manhattan	282-7306
Ecton, Zales	RR 1, Manhattan	282-7306
Travis. Lloyd	1207 So Cedarview Dr, Bozeman	586-5238
Widmer, G. F.	414 South 9th, Bozeman	586-2287
<u>Search District #12</u>		
Baldwin, Richard Darrell	1537 Broadway, Helena	443-2653
Barfnecht, James F.	1109 Breckenridge, Helena	442-2627
Bock, Leonard	2046 Winne, Helena	442-4742
Burrows, Gerald C.	19 So Benton, Helena	442-4845
Dardis, Robert	651 North Rodney, Helena	442-3719
DeWolf, George	915 Broadway, Helena	442-5512
Hammer, Russell Blair	1203 Hudson, Helena	443-3011
Kneedler, David C.	705 Rhode Island, Helena	442-9763
Lindgren, Melvin	295 No Montana, Helena	458-5540
Monger, James H.	29 Alta, Helena	442-8126
Williams, Byron A.	668 No Rodney, Helena	442-6842
Wilson, Jack	1 Hilman Road, Helena	458-5775
Monforton, Donald	1828 Choteau, Helena	442-5067

NAME

ADDRESS

PHONE

Search District #13
 (Beaverhead, Madison,
 Deer Lodge, Silver Bow,
 Jefferson)

Coon, Hollis
 Hubber, Juanita Mae
 Johns, Willis Merle
 Rauscher, Worthie Misner
 Rudolph, Lewis M.
 Williams, Bert

653 So Idaho, Butte
 2825 Quincy, Butte
 2901 Ottawa, Butte
 Clancy
 2910 Nettie, Butte
 301 Edwards, Butte

793-0017
 792-8606
 792-6660
 933-5621
 723-7033
 723-7270

Search District #14
 (Missoula, Ravalli, Granite)

Bryan, Cecil G.
 Moy, O. Marshall
 Ribi, Edgar
 Ribi, Karin Smith

445 West Central, Missoula
 1114 Poplar, Missoula
 211 S 8th, Hamilton
 211 S 8th, Hamilton

543-5983
 543-4785
 363-1014
 363-1014



WARNING ANNEX

I. MISSION:

- A. Provide means of warning entire State populace in event of an imminent war or natural disaster. The State Civil Defense will warn all State EOC operational personnel and disseminate warning to one location in each County.

II. ORGANIZATION:

- A. The State Warning Center is located in the sub-basement of the Armory Building, 1100 North Main Street, Helena, Montana.
- B. The alternate State Warning Center is in the Police Department, City of Helena, Montana.
- C. The Organization consists of a State Warning Officer, and an Assistant Warning Officer.

III. OPERATIONS:

- A. Alerting of State EOC operational staff will be in accordance with EOC-SOP.
- B. The State Warning will be received from the National Warning Center into seventeen (17) Montana NAWAS Warning Points simultaneously:

Billings	Great Falls	Kalispell	Missoula
Bozeman	Great Falls Weather*	Lewistown	Shelby
Butte	Havre	Livingston	Sidney
Glasgow	Helena	Miles City	Wolf Point
Glendive			

- 1. The Communications Operators at the seventeen Warning Points and the Chief Operators of the Telephone Company are responsible for disseminating warning in accordance with instructions and assigned warning fan out. (See Appendices I and II).
 - 2. The recipient local radio operator at NAWAS Warning Points has a local warning responsibility as stated in warning instructions posted within his work area. (See County Warning Annex)
 - 3. The State Civil Defense Director will assume responsibility for recommending additions, changes, or removal of the NAWAS Warning Points and designate operational responsibilities in order to insure that all areas will be warned.
- C. All public warning devices and communications equipment available at the local level should be used for warning to include sirens, radio, television, and "Paul Revere" type warning methods.

* Great Falls Weather does not have Warning Fan-out responsibilities, but will provide upper wind data and severe weather warnings to the sixteen other NAWAS points.



Appendix I to WARNING ANNEX

WARNING FAN OUT

- A. After receiving warning, the recipient operators at the sixteen Warning Points will:
 1. Call the Chief Telephone Operator, repeat message and ask her to place the Civil Defense Warning sequence into operation.
 2. Warn Civil Defense Director.
 3. Warn assigned County Warning Points by Law Enforcement Net.
 4. Warn assigned local officials.

- B. All County Warning Points are responsible for the following:
 1. Notify Key Officials.
 2. Activate Warning devices.
 3. Institute Local Warning Plan.

- C. Attached are Warning Fan Out diagrams showing telephone and Law Enforcement Radio Warning responsibilities.



MAY 1971

APPENDIX I

CIVIL DEFENSE WARNING SYSTEM
FAN-OUT LOCATIONS AND NUMBERS AS OF APRIL 21, 1971

Central Warning Point			Fan-Out Warning Point		
Central Office	Chief Operator	Number	Points to Contact	Number	Alternate Number
BILLINGS	G. ANDERSON	259-1434	Columbus	322-5326	322-5311
			Hardin	665-1503	24 hours
			Red Lodge	446-1234	446-1212
			Roundup	323-1231	24 hours
			Ryegate	568-2321	568-2260
BUTTE	B. DUYKERS	723-6088	Anaconda	563-3434	24 hours
			Deer Lodge	846-2711	24 hours
			Dillon	683-2333	24 hours
			Philipsburg	859-3511	24 hours
GLASGOW	D. MAAS	228-2821	Malta	654-2350	24 hours
			Plentywood	756-1200	756-1700
			Scobey	487-2691	487-2771
			Wolf Point	653-1061	24 hours
GLENDIVE	J. MELAND	365-2150	Circle	485-3405	485-3445
			Jordan	435-2650	435-2881
			Terry	637-5738	637-5466
			Wibaux	795-2415	795-2417
			Sidney	No	
GREAT FALLS	P. COLARCHIK	453-5222	Choteau	466-2492	24 hours
			Conrad	278-3923	24 hours
			Fort Benton	622-5143	24 hours
HAVRE	B. GAGE	265-2751	Chinook	357-4510	24 hours
HELENA	J. SALYER	442-9450	Boulder	225-3323	24 hours
			Townsend	266-3441	24 hours
			White Sulphur	547-3711	24 hours
			Big Timber	932-2160	24 hours
			Livingston	222-2050	24 hours
			Virginia City	843-5351	24 hours
KALISPELL	L. J. CALBECK	756-4369	Libby	293-4112	24 hours
			Polson	883-2121	24 hours
LEWISTOWN	V. PETERSON	538-3022	Harlowton	632-5614	632-4123
			Stanford	566-2212	566-2538
			Winnett	429-4555	429-4214



APPENDIX II

RADIO FAN OUT

Phone

Alternate

DISTRICT NO. 1

Missoula contacts:

- | | | |
|------------------------|----------|--|
| 1. Thompson Falls Jail | 827-3331 | |
| 2. Superior Sheriff | 822-4581 | |
| 3. Hamilton Sheriff | 363-3033 | |
| 4. Philipsburg Sheriff | 859-3511 | |

Kalispell contacts:

- | | | |
|-------------------|----------|--|
| 1. Libby Sheriff | 293-4112 | |
| 2. Polson Sheriff | 883-2121 | |

DISTRICT NO. 2

Helena contacts:

- | | | |
|----------------------------------|----------|--|
| 1. Deer Lodge Sheriff (Dist. #1) | 846-2711 | |
| 2. Townsend Sheriff | 266-3441 | |
| 3. White Sulphur Springs Sheriff | 547-3711 | |

Butte contacts:

- | | | |
|--------------------------|----------|--|
| 1. Anaconda Police | 563-3434 | |
| 2. Dillon Police | 683-2333 | |
| 3. Virginia City Sheriff | 843-5341 | |

Bozeman contacts:

- | | | |
|--------------------|----------|--|
| 1. Boulder Sheriff | 225-3323 | |
|--------------------|----------|--|

DISTRICT NO. 3

Billings contacts:

- | | | |
|----------------------|----------|----------|
| 1. Roundup Sheriff | 323-1231 | |
| 2. Ryegate Sheriff | 568-2321 | 568-2260 |
| 3. Columbus Sheriff | 322-5326 | 322-5311 |
| 4. Red Lodge Sheriff | 446-1234 | 446-1212 |
| 5. Hardin Sheriff | 665-1503 | |

Livingston Police contacts:

- | | | |
|-----------------------|----------|----------|
| 1. Big Timber Sheriff | 932-2160 | 932-2168 |
|-----------------------|----------|----------|



Radio Fan Out, continued

DISTRICT NO. 4

Miles City contacts:	<u>Phone</u>	<u>Alternate</u>
1. Hysham Sheriff	342-2211	342-2591
2. Forsyth Police	356-2231	
3. Jordan Sheriff (Dist. #5)	435-2650	435-2881
4. Broadus Sheriff	436-2333	436-2512
5. Ekalaka Sheriff	775-3333	775-3571

Glendive contacts:

1. Terry Sheriff	637-5738	637-5466
2. Circle Sheriff	485-3405	485-3445
3. Wibaux Sheriff	795-2415	795-2417
4. Baker Sheriff	778-2414	778-2698

DISTRICT NO. 5

Sidney has no fan-out responsibility

Glasgow contacts:

1. Malta Sheriff	654-2350	
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Wolf Point contacts:

1. Plentywood Sheriff	765-1200	765-1700
2. Scobey Sheriff	487-2691	487-2771

DISTRICT NO. 6

Havre contacts:

1. Chinook Sheriff	357-4510	
--------------------	----------	--

Shelby contacts:

1. Chester Sheriff	334-3161	
2. Cut Bank Sheriff	938-2711	

Great Falls contacts:

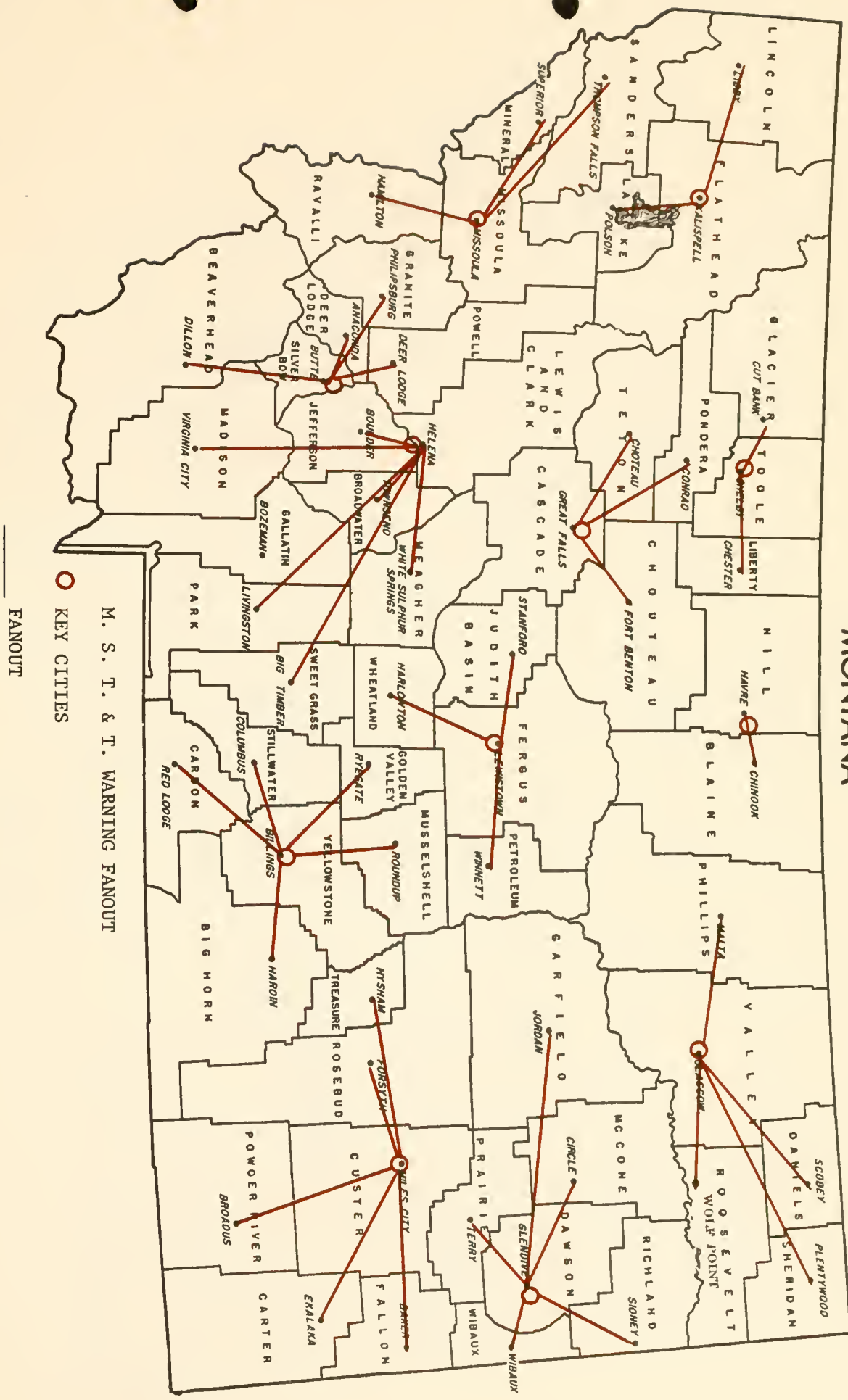
1. Choteau Sheriff	466-2492	
2. Conrad Sheriff	278-3923	
3. Fort Benton Jail	622-5143	

Lewistown contacts:

1. Stanford Sheriff	566-2212	566-2538
2. Harlowton Sheriff (Dist. #3)	632-5614	632-4123
3. Winnett Sheriff (Dist. #5)	429-4555	429-4214



MONTANA

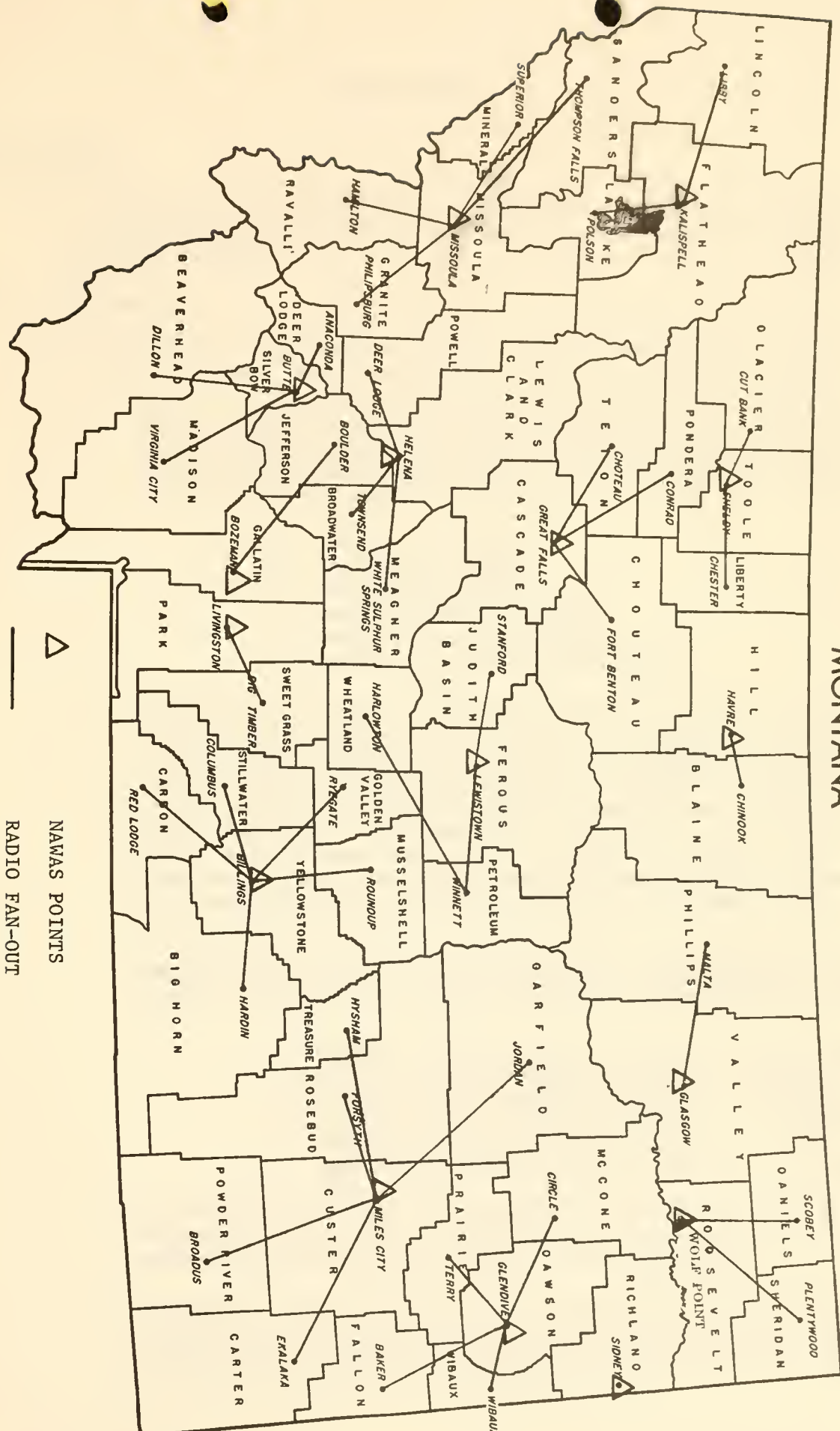


M. S. T. & T. WARNING FANOUT

○ KEY CITIES
— FANOUT



MONTANA



NAMAS POINTS
RADIO FAN-OUT



WELFARE ANNEX

I. Mission:

- A. To provide the Welfare Services and supplies necessary for the physical survival and recovery of the population in the event of a nuclear or natural disaster.

II. Organization:

- A. The Director of the Welfare Section is the Administrator, Department of Public Welfare. His operational staff includes the following:
 1. Six (6) assistant directors who are appointed by the Director of the Welfare Section and are capable of directing the Section in his absence. Each assistant director will be assigned specific responsibilities for one of the following functions:
 - a. Emergency lodging
 - b. Emergency feeding
 - c. Emergency clothing
 - d. Registration and inquiry
 - e. Emergency social services
 - f. Emergency financial assistance
 2. The Director, the six Assistant Directors and a special staff assistant for emergency feeding make up the operational staff of the Welfare section. These eight (8) members will operate from the State Emergency Operating Center (EOC). The Section has the capability of maintaining two twelve-hour shifts on a day-to-day basis. The remainder of the normal staff of the Public Welfare Department will be prepared to work from the Department's building at 10th and North Ewing, Helena. (See EOC Standing Operating Procedure (SOP) for personnel list).
 3. The Department of Public Welfare maintains a Field Supervisor of Family Services and a Field Supervisor of Child Welfare Services in each of six (6) district offices located in the following counties:
 - a. Cascade (Civil Defense District 6 - Great Falls)
 - b. Custer (Civil Defense District 4 - Miles City)
 - c. Missoula (Civil Defense District 1 - Missoula)
 - d. Silver Bow (Civil Defense District 2 - Helena)
 - e. Valley (Civil Defense District 5 - Sidney)
 - f. Yellowstone (Civil Defense District 3 - Billings)
 4. The Field Supervisors are considered a part of the State staff of the Welfare Section. They will work from the Civil Defense District Emergency Operating Center (EOC) as indicated above.
 5. The Welfare Section will plan its operational activities using the Department of Public Welfare's (6) District concept with the Supervisors working as coordinators between the State Welfare Section and the several counties in each district.



III. Operations:

A. State Welfare Section

The State Director of the Welfare Section will develop plans and direct the activities of the State Welfare Section in accordance with the guidance presented below.

B. The primary function of this Section in a peacetime situation is to develop plans and train State, County and voluntary personnel to conduct emergency welfare services.

C. For operational purposes emergency welfare services are broken down into six (6) emergency functions as described below. The operation of each function is the immediate responsibility of an assistant director in the Welfare Section.

1. Emergency Lodging

a. The Assistant Director in charge of emergency lodging will develop the capability to provide temporary shelter on an immediate need basis for displaced persons. Major dependence will be placed upon private homes, hotels, motels, and other large buildings. Special consideration will be given for the care of those persons in need of special group care.

2. Emergency Feeding

a. The Assistant Director in charge of emergency feeding will develop the capability to provide mass feeding for those unable to provide for themselves.

3. Emergency Clothing

a. The Assistant Director in charge of emergency clothing will develop the capability to provide clothing for those in need.

4. Emergency Social Services

a. The Assistant Director in charge of emergency social services will develop the capability to carry out welfare services oriented to restore self-reliance with the object of rehabilitation and resettlement.

5. Emergency Welfare Registration and Inquiry

a. The Assistant Director in charge of emergency registration and inquiry will develop the capability to assist persons in locating and/or reuniting with members of their families. Displaced persons and the hospitalized will be registered.

6. Emergency Financial Assistance

a. The Assistant Director in charge of emergency financial assistance will develop the capability to give financial aid to those persons in need of assistance.



D. Coordination

Planning and operations will necessitate close coordination between the Welfare Section and the other public and private organizations offering related services.

E. Welfare Reception Areas.

a. The Welfare Section will develop the capability of activating operational Welfare Reception areas wherever needed throughout the State. These centers are described as geographic units placed in population centers which have the emergency lodging facilities and resources for welfare services needed to care for displaced persons. It is in these centers that the Welfare functions will become operational in the post-attack periods. They will be planned for, organized and activated at the local level by the County Welfare Section of the County Civil Defense organization with the cooperation and direction of the State Welfare section.

F. Training

1. Because of the specialized nature of welfare services and the shortage of qualified personnel in the State, the Director of the Welfare Section will undertake a comprehensive training program at both State and local levels

2. The Director will estimate the manpower needed to perform the Welfare Service functions

3. The Director of the Welfare Section and the State Civil Defense Director will assist local officials in initiating and developing Welfare Service training programs. These programs will be established to make instruction available on the following subjects:

- a. Basic skills and principles of social work
- b. Civil Defense training courses.
- c. Civil Defense adult education
- d. Medical self-help

4. Emergency Welfare Service functions will require considerable voluntary help to aid in preparation of food, distribution of clothing, and related tasks. Volunteers for this type of work will be recruited and trained in the special techniques of welfare services.



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S/355.6136/C55
Montana. Civil Defense Agency
State emergency operations plan

STATE DOCUMENTS

MONTANA STATE LIBRARY
930 East Lynndale Avenue
Helena, Montana 59601

